



# Arkansas Centerline File Program

## Status as of 1/15/02



### Executive Summary

Detailed program status reports are posted to the Arkansas Geographic Information Office website once every month. The State Land Information Board and other major stake-holders are on an email distribution list that will contain a quick summary of the program status and a link to the detailed report on the website. For additional information, visit the Arkansas Centerline File Program (ACF) website at: [http://www.gis.state.ar.us/AGIO/ACF/ACF\\_status.asp](http://www.gis.state.ar.us/AGIO/ACF/ACF_status.asp).

Below is a listing from most to least current Arkansas Centerline File Program (ACF) milestones:

- *January 15, 2003* – AGIO hosted a meeting for all county judges, 911 coordinators, Office of Emergency Management representatives and Road & Bridge representatives. The meeting was held at the Association of Arkansas Counties and funded through a grant from the Mid-America GIS Consortium. There were 133 county representatives in attendance from over 40 counties. AGIO presented on the following topics: ACF and GPS standards, ACF status, options for ACF data creation with approximate schedule and cost including developing the data in-house using DOQs and/or GPS, using their local Planning and Development District, and ACF feature vendors. We showed them examples of the US Census and old AHTD maps and their inaccuracy and incompleteness. We collected technical contacts for each county and discovered several more agencies that may have data that will be useful to the program. We also made progress in getting local support for the program, including coordination and maintenance issues.
- *January 8, 2003* – Met with Paul Strickland and Terri Black both of whom are former NENA representatives and SBC employees that have started their own mapping company. We talked about the ACF standards and how to provide counties with the best product using DOQs and data from GeoStor.
- *December 17, 2002* – AGIO sends out invitation letters to all county judges inviting them to an informative coordination meeting for the ACF program. The meeting will inform them of the current status of their county, details on following the standard, and their role in data creation and maintenance. The

different options for creating centerline data include an anticipated schedule; costs and benefits of the different methodologies will also be covered.

- *December 16, 2002* – Met with Robert Middleton of the Eastern Arkansas Planning and Development District to help get Mississippi reformatted to the ACF standard and train Robert on ACF methodologies.
- *December 13, 2002* – Arkansas One Call finishes attributing the centerlines from Searcy County with road names, types and other data. The centerlines were created by AHTD digitizing on top of the ADOP imagery. AGIO added private and miscellaneous drives. One Call will add the address ranges next year in conjunction with Searcy County's 911 implementation.
- *November 27, 2002* – AGIO visited Hot Spring County to see a demo of MapStar and full Phase I E-911 implementation using M&M centerline data. M&M has developed data for Garland County and is preparing data in Montgomery and Pike Counties.
- *November 18, 2002* - AGIO posts Madison County to the ftp site as the first local database to meet the ACF standard. It can be downloaded in ESRI shapefiles in various coordinate systems at ([ftp://agio.state.ar.us/ftp/acf/madison\\_county](ftp://agio.state.ar.us/ftp/acf/madison_county) ).
- *November 14, 2002* - AGIO completes the addition of miscellaneous roads and private drives to the Searcy Co. mapping from AHTD and forwards the database to Arkansas One Call for attribution in conjunction with the county's 911 coordinator. AGIO completes a pilot project illustration concerning how points from the County Assessor Mapping Program (CAMP <http://www.gis.state.ar.us/AGIO/CAMP.asp> ) can be used to populate geocodable attributes efficiently onto mapping.
- *November 13, 2002* – AGIO meets with Spatial Data Research (contractor doing work in Lincoln, Miller, and Nevada county) who agrees to provide the AGIO with a data structure translation wizard so that the data they produce will adhere to the ACF standard.
- *November 10, 2002* - AGIO receives introductory data for review of preliminary database of roads collected using mapping grade GPS and field-verified geocodable attributes for adherence to the ACF standard for Lincoln and Miller counties.
- *November 4, 2002* - AGIO meets with a representative from Plant Equipment (contractor that produces MapStar for 911 offices in several counties). We verify that data in the ACF format will work with their software.
- *November 1, 2002* - AGIO develops methodology for county and feature level metadata as well as unique i.d. population.

- *October 31, 2002* - AGIO meets with Pulaski Area GIS (PAgis) to discuss status of their centerlines. Data should be available in early 2003.
- *October 23, 2002* - Greene County submits the local centerline data for review and reformatting to the ACF standard.
- *October 14, 2002* - Madison County is the first to turn over their local centerline database for review.
- *October 3, 2002* - ACF GIS layer templates are posted to the AGIO website in ESRI, Intergraph, MapInfo and MS Access format.
- *October 1, 2002* - AGIO completes review and comments of Conway County's preliminary database of roads collected using mapping grade GPS and field-verified geocodable attributes for adherence to the ACF standard.
- *September 26, 2002* - The Arkansas Centerline File Standard is officially filed with the Arkansas State Library as a rule and regulation. The Arkansas Highway and Transportation Department finishes mapping the Searcy Co. centerlines from Arkansas Digital Ortho Program aerial photos:  
<http://www.gis.state.ar.us/AGIO/adop.htm>
- *September 16, 2002* - AGIO hires a GIS Specialist to serve as project lead on the ACF Program.
- *September 2002* - The Arkansas Centerline File Standard is presented to the ALC-Administrative Rules and Regulations Committee.
- *August 2002* - The Arkansas State Land Information Board votes to adopt the following for inclusion into the proposed Arkansas Centerline File Standard:  
**Centerline shall include all clearly defined passages through which a standard vehicle may travel as well as driveways extending more than 500 feet and/or driveways containing two or more addressed structures.**
- *August 2002* - It is brought to the attention of the Arkansas State Land Information Board and Arkansas Geographic Information Office that "centerline" is not clearly defined in the standard and the capturing of driveways should be included.
- *July 2002* - Arkansas Centerline File Standard is submitted to the Bureau of Legislative Research to begin the promulgation process.
- *July 2002* - Arkansas Centerline File Standard official promulgation notice is mailed to 202 boards, commissions, agencies, higher education, vocational facilities, and county judges.

- *June 2002* - Arkansas State Land Information Board adopts Arkansas Centerline File Standard.
- *May 2002* - Arkansas Centerline File Task Force proposes the Arkansas Centerline File Standard to the Arkansas State Land Information Board.
- *February - July 2002* - Arkansas Centerline File Task Force holds numerous meetings to formulate a centerline standard.
- *January 2002* - Arkansas Centerline File Task Force is formed by the Arkansas State Land Information Board.

## Upcoming Events and Tasks

Here is an overview of some of the upcoming items for the ACF team:

- Work with SDR to reformat data for Miller and Lincoln counties to the ACF standard and post to the ftp site.
- Work with Conway County to get their data into the standard and post to ftp.
- Work with Western Arkansas Planning and Development District to get data in the ACF standard for Sebastian County.
- Collect data from M&M for Hot Spring and Garland Counties and reformat to the ACF standard.
- Acquire Baxter County's data that was created by Ferrell Cooper Engineers and reformat to the ACF standard.
- Acquire Carroll and Stone county's data and evaluate
- Continue to promote the ACF standard whenever possible.
- Continue to coordinate with major stakeholders and provide easy access to project status.
- Post more status graphics and workflow documentation to the AGIO website.

## Data Formatting Methodologies

Data formatting methodologies are posted to the web at:

[http://www.gis.state.ar.us/AGIO/ACF/ACF\\_status.asp](http://www.gis.state.ar.us/AGIO/ACF/ACF_status.asp)

Also, look for the following workflow documents to be posted soon:

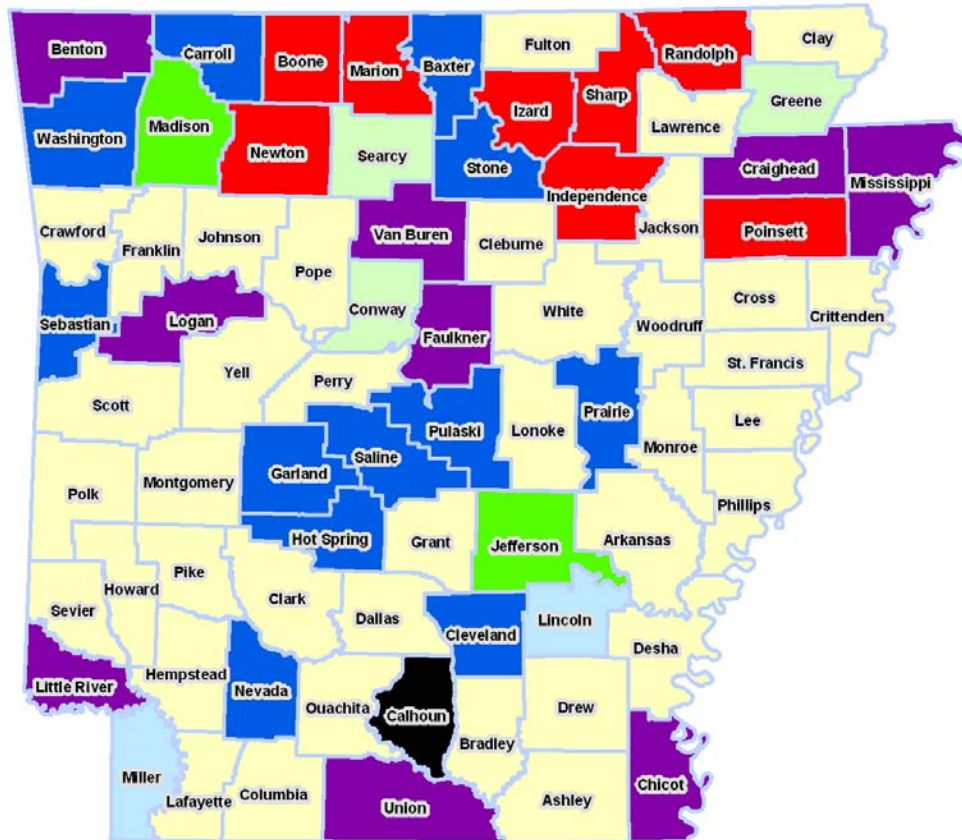
1. Cross walking Spatial Data Research file formats into the ACF standard format.
2. Cross walking NTB file formats into the ACF standard format.
3. Cross walking GeoCom file formats into ArcGIS.
4. Cross walking PAgis file formats into the ACF standard format.
5. Cross walking WAPDD file formats into the ACF standard format.
6. Direct upload of updated centerlines to GeoStor.
7. Reformatting metadata to fit the FGDC standards.

## Status Overview

Below is a broad overview of the results of AGIO research thus far by level of government and private entity information. For more detailed information, please see figures 1 and table 1 on the following pages.

- *County Level* – Madison County has been reformatted to the ACF standard database definitions; private drives and miscellaneous roads have been added. It has been placed on our ftp site and is the first county available to download in the ACF standard format. Jefferson County has also been reformatted and placed on FTP. Private drives will be added at a later time. Preliminary files have been received for Conway, Miller, and Lincoln counties from contractors for the ACF team to review, make comments, and develop methodologies for crosswalking into the ACF standard and developing processes for maintenance. We hope to receive a data from Sebastian, Washington, Jefferson, Baxter, Garland and Hot Spring counties for inclusion into the ACF in the next couple of months. Greene County has been received but has been put on hold due to their 911 coordinator leaving. Searcy County has been completely digitized in accordance with the standard and has been attributed with everything but address ranges by One Call. Ranges will be added in conjunction with the counties 911 implementation. Several major cities within counties have either developed data or are in the process of creating data that will be incorporated into the final dataset. Pope and Faulkner counties have submitted CAD files and we are working with them to reformat to GIS ACF layers.
- *State Level* – AHTD is about 75% complete with digitizing Fulton, 50% complete with Izard, 75% complete with Newton, they are also digitizing Garland.
- *Federal Level* – AGIO is working with the US Census Bureau to acquire resources for working with counties without 911 programs and as well as helping in attributing the counties that AHTD is mapping or counties with out 911 programs.

Figure 1



**Status as of 1/15/02**

- US Census is working with the county
- Need to contact
- Contact has been made - need to follow up with details
- County has no local data available
- AHTD will digitize county from ADOP DOQs
- Arkansas One Call is developing data
- Dataset is complete or near complete and has been requested
- Dataset has been recieved and is being reviewed by AGIO
- Dataset is being reformatted to fit the standard
- Dataset is ready to be loaded into GeoStor
- Dataset is in GeoStor and is being maintained



**Table 1**

<b>County Name</b>	<b>Status Date</b>	<b>Comment</b>
Arkansas County	1/16/2003	Have a map book with AHTD maps and road names and address ranges. Address ranges are in a spreadsheet, but map is hard copy only.
Ashley County	1/16/2003	This county has been contacted and made aware of the standard. Need to follow up with details. I think they were under contract with Miller Mapping. Judge attended the meeting on 1/15/03.
Clay County	1/16/2003	GPS roads in MapInfo according to Jane Bevans @ GeoComm. County was under contract with Miller Mapping. Need to visit soon also in CAMP.
Crawford County	1/16/2003	Western Arkansas Planning and Development is currently doing field work and should complete this county in 2003.
Howard County	1/16/2003	Mailed a copy of the standard on 10/8/02. This county was under contract with Miller Mapping. Judge attended the meeting on 1/16/03
Izard County	1/16/2003	AHTD is 50% complete digitizing the data.
Jackson County	1/16/2003	This county has been contacted and made aware of the standard. County uses Norman Mapping in Searcy for hard copy maps. Newport does the 911 for the county.
Montgomery County	1/16/2003	M&M has is developing data in this county. The data is not shareable due to a license agreement. AGIO is working with the contractor to get a copy of this data.
Phillips County	1/16/2003	This county has been contacted and made aware of the standard. The Road dept. attended the meeting on 1/16/03. They said they have a map book.
Poinsett County	1/16/2003	AHTD is planning to digitize this county on top of the SLIB DOQs. Road and bridge foreman attended meeting on 1/16/03 and said he is willing to maintain the new AHTD/AOCS map.
Sebastian County	1/16/2003	WAPDD is currently working to wrap up this project and will make the data available to AGIO to crosswalk into the standard.
Sevier County	1/16/2003	This county has been contacted and made aware of the standard. County Judge attended the meeting on 1/16/03
St. Francis County	1/16/2003	This county has been contacted and made aware of the standard. Have address ranges in a spreadsheet.
Columbia County	1/15/2003	Mapping not to scale. Address ranges from SBC.
Greene County	1/15/2003	Database is AHTD roads that have been added to as new roads went in. Also have new 911 county roads names added. New OEM coordinator wants to start with a clean slate.
Hempstead County	1/15/2003	The county has been contacted and made aware of the standard. Hope has GPSed the city's centerlines and provided them to AGIO for review.
Independence County	1/15/2003	AHTD is planning to digitize this county on top of the SLIB DOQs. Bill Hicks assigns addresses. Would work with Lori at White River PDD in Batesville, the county seat. Bill uses hard copy maps updated once a year.

Lafayette County	1/15/2003	This county has been contacted and made aware of the standard. Judge attended the meeting 1/15/03.
Lincoln County	1/15/2003	County is under contract with SDR and should be finished this year. SDR is developing a translator into the ACF standard that can be run each time a new updated file is released.
Little River County	1/15/2003	Arkansas One Call is attributing a version of the roads with complete road names and address ranges. 911 Coordinator attended meeting on 1/15/03.
Pike County	1/15/2003	M&M has is developing data in this county. The data is not shareable due to a license agreement. AGIO is working with the contractor to get a copy of this data.
Carroll County	1/14/2003	WellsCo GPSed these roads a few years ago. Requested the data for review from Candy Bawcom. Updated by using measurements and sketches.
Baxter County	1/13/2003	Data was developed by Ferrell Cooper Engineers for asset management purposes. We requested the data and are awaiting approval.
Fulton County	1/9/2003	The county is currently mapping streets with GPS. AHTD is digitizing the county using ADOP imagery and is 75% complete.
Garland County	1/9/2003	Have received a dataset from M&M to be used for 911 with MapStar. The data is under a license agreement and can not be shared. We are working with the contractor to release this dataset to us. AHTD is also digitizing.
Newton County	1/9/2003	AHTD is 75% completes digitizing the data.
Benton County	12/26/2002	The county is mapping roads with a GPS receiver and is following the SLIB standards for GPS and ACF. Arkansas One Call is attributing a version of the roads with complete road names. Bentonville has centerlines w/out ranges.
Boone County	12/26/2002	AHTD is planning to digitize this county on top of the SLIB DOQs.
Bradley County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Calhoun County	12/26/2002	This county does not have a 911 program. The US Census will take responsibility for generating this data.
Chicot County	12/26/2002	Arkansas One Call is attributing a version of the roads with complete road names and address ranges.
Clark County	12/26/2002	Arkadelphia has a dataset that was created with GPS that has road names. Brought AHTD into AutoCAD and kept up to date. Mapping in paper space.
Cleburne County	12/26/2002	The roads are available in AutoCAD with names. Need to contact, request data so that it can be reviewed.
Cleveland County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details. Judge adamant about county following standard.
Conway County	12/26/2002	County is under contract with NTB. AGIO has reviewed the preliminary dataset and will receive a copy of the final deliverable in the ACF standard.
Craighead County	12/26/2002	Centerlines from Aerial Photos taken in 2000 w/ st name only. Address points also. Data for Jonesboro only. One Call and CAST are researching conflation process. County uses ArcView.



Crittenden County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Cross County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Dallas County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Desha County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Drew County	12/26/2002	Will meet with Road and Bridge and 911 Coordinators to train how to develop centerlines on 2/4/03.
Faulkner County	12/26/2002	DGN format. Started with Atlas GIS drew roads and labeled - judge wanted a color map - went Microstation and Corel Draw, has graph bars to get into a coordinate system. Updated every month.
Franklin County	12/26/2002	Western Arkansas Planning and Development is planning to start the field work in the early 2003.
Grant County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Hot Spring County	12/26/2002	Have received a dataset from M&M to be used for 911 with MapStar. The data is under a license agreement and can not be shared. We are working with the contractor to release this dataset to us.
Jefferson County	12/26/2002	The OES has GPSed all the roads in the county and most in the cities with geocodable attributes and is providing the data to AGIO for review.
Lawrence County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Lee County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Logan County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Lonoke County	12/26/2002	AGIO did a pilot project in this county to use point address extracted from the CAMA data base used to conflate address ranges onto centerlines that are heads-up-digitized on the DOQs. The county will use this process to complete the dataset.
Madison County	12/26/2002	The data has been cross walked into the ACF database standard; roads were spatially adjusted where needed using ADOP imagery as a reference, and miscellaneous roads and private drives were added. It was placed on ftp on 11/18/02.
Marion County	12/26/2002	AHTD is planning to digitize this county on top of the SLIB DOQs.
Miller County	12/26/2002	County is under contract with SDR and should be finished this year. SDR is developing a translator into the ACF standard that can be run each time a new updated file is released.
Mississippi County	12/26/2002	Centerlines have been developed by the EAPDD. Met with the Districts mapper and reformatted data into the standard where it existed. They will continue to refine the spatial data and attribute it in accordance with the standard.
Monroe County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Nevada County	12/26/2002	Dale will come by office on 10/9/02 to show data on laptop. His is GPSing using ArcView and Spatial Data Research methodology.

Ouachita County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Perry County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details. County uses ArcView.
Polk County	12/26/2002	This county has been contacted and made aware of the standard. Judge attended meeting 1/15/03. No digital mapping available.
Pope County	12/26/2002	Received their roads that were in a CAD environment with text labels for road names and address ranges. AGIO rubbersheeted it to the ADOP imagery and provided it back to the county to convert to a GIS database that is geocodable.
Prairie County, Arkansas	12/26/2002	Central Arkansas Planning and Development is currently GPSing the roads. They will be involved in a meeting on 1/03 with all the PDDs to discuss roles and responsibilities.
Pulaski County	12/26/2002	PAGis is developing address ranges for their centerlines. They are shooting for the end of 2002 to be about 90% complete with centerlines and building points. AGIO is developing a methodology for cross walking the centerlines into the ACF standard.
Randolph County	12/26/2002	AHTD is planning to digitize this county on top of the SLIB DOQs.
Saline County	12/26/2002	The county judge's office is developing a cadastral database with addresses. The county purchased data from NavTec that is not shareable due to a license agreement. According to the contractor the data meets the specs of the standard
Scott County	12/26/2002	This county is being GPSed by WAPDD. Should be complete by April 2003.
Searcy County	12/26/2002	AHTD has delivered the line-work they digitized on top of DOQs. Converted to a GIS ACF format; driveways and miscellaneous roads have been added by AGIO. AOCS finished adding road names, types and other data. Ranges to be added by 911.
Sharp County	12/26/2002	AHTD is planning to digitize this county on top of the SLIB DOQs.
Stone County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Union County	12/26/2002	This county has been contacted and made aware of the standard. 911 Coordinator attended meeting 1/15/03.
Van Buren County	12/26/2002	This county has been contacted and made aware of the standard. Contracted with Miller Mapping. Need to follow up and discuss details.
Washington County	12/26/2002	The county is being digitized and attributed by AR One Call. The cities of Fayetteville and Springdale have been collected with either GPS or by digitizing off of aerials.
White County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Woodruff County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details.
Yell County	12/26/2002	This county has been contacted and made aware of the standard. Need to follow up with details. Under contract with GeoComm for delivery in 2004.
Johnson County	10/1/2002	Under contract with GeoComm. Data is expected to be finished at the end of 2003. Mailed a copy of the standard on 10/3/2002.